(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 17 May 2001 (17.05.2001)

PCT

(10) International Publication Number WO 01/34796 A1

(51) International Patent Classification": C12N 15/12. C07K 14/475, 16/22, C12Q 1/68, G01N 33/68, 33/53, A61K 38/17

(21) International Application Number: PCT/IL00/00736

(22) International Filing Date:

10 November 2000 (10.11.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

132846 10 November 1999 (10.11.1999) IL 133767 28 December 1999 (28.12.1999) II.

- (71) Applicant (for all designated States except US): COMPUGEN LTD. [IL/IL]: Pinchas Rozen Street 72, 69512 Tel Aviv (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): TOPOROIK, Amir [IL/IL]; Kazanelson Street 20/2, 58016 Azur (IL). BITON,

Sharon [II/IL]: Ilanot Street 71a, 46565 Herzliya (IL). SAVITZKY, Kinneret [II/IL]: Metodela Street 44, 69548 Tel Aviv (IL). BERNSTEIN, Jeanne [II/IL]: Harimon Street 23, 40300 Kfar Yona (IL).

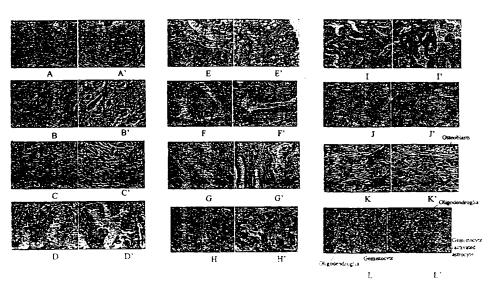
- (74) Agent: REINHOLD COHN AND PARTNERS: P.O.B. 4060, 61040 Tel Aviv (IL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

With international search report.

[Continued on next page]

(54) Title: CHORDIN-LIKE HOMOLOGS



(57) Abstract: The present invention concerns several splice variants of a chordin line homologs (CLH) and depicts their nucleic acid and amino acid sequences, vectors and host cells containing said nucleic acid sequences and antibodies reactive with the amino acid sequences. The invention also concerns pharmaceutical compositions for the treatment of a plurality of diseases, comprising nucleic acid sequences, amino acid sequences, expression vectors, antibodies. The invention also concerns methods for detecting the above nucleic acid, amino acid sequences or antibody in a biological sample.

1/34796 A1